

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S6	0	Barringer-George.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/19 09:40
S8	886	204/601,451.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/21 12:57
S9	8674	422/99-103.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/21 13:04
S10	6651	(422/99 or 422/101-103).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/21 13:08
S11	4154	(422/105-115).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/21 13:10
S12	38	(S8 and ("capillary electrophoresis")) and (((column or channel or capillary) with (length or long or tall or cm)) and ((automatic or auto) with (liquid or sample or fluid)))	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/21 13:52
S13	24	(S8 and ("capillary electrophoresis")) and (((column or channel or capillary) with (length or long or tall or cm)) and ((automatic or auto or inject\$4) with (liquid or sample or fluid)) and ((input or output or inlet or outlet) near2 valve))	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/21 14:02
S14	22	(S8 and ("capillary electrophoresis")) and (((column or channel or capillary) with (length or long or tall or cm)) and ((automatic or auto or inject\$4) with (liquid or sample or fluid)) and ((input or output or inlet or outlet) near2 valve) and (filter or pump))	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/21 14:04
S16	80	("capillary electrophoresis") and (((column or channel or capillary) with (length or long or tall or cm)) and ((automatic or auto or inject\$4) with (liquid or sample or fluid)) and ((input or output or inlet or outlet) near2 valve) and (filter and pump))	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/21 15:01
S15	5	(S8 and ("capillary electrophoresis")) and (((column or channel or capillary) with (length or long or tall or cm)) and ((automatic or auto or inject\$4) with (liquid or sample or fluid)) and ((input or output or inlet or outlet) near2 valve) and (filter and pump))	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/21 15:01

## EAST Search History

S17	10	("4785676" "4999307" "5755155" "5771917" "5833826" "5948998" "5985121" "6491804" "6537432" "RE37941").PN.	USPAT	OR	ON	2006/09/21 15:26
S18	3	("6375855" "6418799" "6491872").PN.	USPAT	OR	ON	2006/09/21 15:33
S7	3	Barringer-G.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/21 15:35
S20	1	"5597468".pn.	USPAT	OR	ON	2006/09/21 15:36
S21	1	S20 and ((inlet adj chamber) or ((inlet or outlet or input or output) near3 valve) or ((length or long or tall or cm) with (channel or capillary or column)) or ((source or liquid or fluid or sample) with (automatic or auto or control)))	USPAT	OR	ON	2006/09/21 15:44
S22	1	S20 and ((inlet adj chamber) or ((inlet or outlet or input or output) near3 valve) or ((length or long or tall or cm) with (channel or capillary or column)) or ((source or liquid or fluid or sample) with (automatic or auto or control)) or filter or frit or hydraulic or pump)	USPAT	OR	ON	2006/09/21 15:45
S23	0	PCT/US2004/019515	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/25 10:35
S24	0	PCT/US04/19515	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/25 10:36
S27	0	S26 and Groton	DERWENT	OR	ON	2006/09/25 10:37
S26	22	"19515"	DERWENT	OR	ON	2006/09/25 10:37
S35	1	"20010005489"	US-PGPUB	OR	ON	2006/09/25 11:01
S36	1	"6375855".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/25 11:22
S19	6	("20010005489" "4942770" "5296197" "5372695" "5429728" "5482608" "5902746").PN.	USPAT	OR	ON	2006/09/25 11:22

## EAST Search History

S38	187	("bio-reactor" or bioreactor) and "capillary electrophoresis"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 09:57
S39	183	S38 and (filter or filtrat\$4 or membrane or "pressure differential" or pump or valve or denatur\$5 or lyse or lysis)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 10:00
S40	66	S38 and ((filter or filtrat\$4 or membrane) and ("pressure differential" or pump or valve) and (denatur\$5 or lyse or lysis))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 10:22
S41	2007	"capillary electrophoresis" and ((filter or filtrat\$4 or membrane) and ("pressure differential" or pump or valve) and (denatur\$5 or lyse or lysis))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 11:31
S42	4	"capillary electrophoresis" and "fluid level sensor"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 11:36
S37	149	204/454.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 11:59
S47	93	S44 and "204".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 12:00
S46	150	S45 and (pump or valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 12:00

## EAST Search History

S48	30	S47 and (filter\$3 or filtration) and (pump or valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 12:01
S45	230	S44 and (filter\$3 or filtration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 12:01
S44	394	"210".clas. and "capillary electrophoresis"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 12:52
S50	1	"5935522".pn.	USPAT	OR	ON	2006/09/26 15:12
S49	23	"210".clas. and "capillary electrophoresis".ab,ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/26 15:12
S51	1	S50 and (degas or gas or bubble or trap)	USPAT	OR	ON	2006/09/26 15:13
S52	101	(hydrodynamic near3 sample) and "capillary electrophoresis"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 11:12
S53	1	"6787111".pn.	USPAT	OR	ON	2006/09/27 12:21
S54	1	"5455175".pn.	USPAT	OR	ON	2006/09/27 12:24
S55	2	"5240577".pn. or "5131998".pn.	USPAT	OR	ON	2006/09/27 12:52
S57	1	"6537799".pn. and ("fluid level" or meter\$3)	USPAT	OR	ON	2006/09/27 15:54
S59	2	"capillary electrophoresis" and ("fluid level sensor")	USPAT	OR	ON	2006/09/27 15:55
S58	703	"capillary electrophoresis" and ("fluid level sensor" or meter\$3 or (fluid near level))	USPAT	OR	ON	2006/09/27 15:55

## EAST Search History

S60	124	("20010028895"   "20020055529"   "20020081263"   "20020107173"   "20020183379"   "20020188012"   "20030018013"   "3647624"   "3958939"   "3983008"   "3989466"   "4103685"   "4124509"   "4234317"   "4235602"   "4258010"   "4350156"   "4391711"   "4399217"   "4402940"   "4435289"   "4463988"   "4481189"   "4522809"   "4540401"   "4540573"   "4581231"   "4591505"   "4613501"   "4615886"   "4643718"   "4645512"   "4647280"   "4648974"   "4668398"   "4671909"   "4676905"   "4677057"   "4680320"   "4696670"   "4775483"   "4832034"   "4836928"   "4879037"   "4895558"   "4908354"   "4909940"   "4909942"   "4923439"   "4935204"   "4966709"   "4970144"   "5026479"   "5080796"   "5089602"   "5112956"   "5116307"   "5126240"   "5128318"   "5152743"   "5187010"   "5203778"   "5211850"   "5236644"   "5256767"   "5258149"   "5279540"   "5301694"   "5354262"   "5391143"   "5393429"   "5401415"   "5401466"   "5418061"   "5419759"   "5424068"   "5476715"   "5484396"   "5496637"   "5523096"   "5634893"   "5637224"   "5652339"   "5679260"   "5698432"   "5707673"   "5719194"   "5744038"   "5753227"   "5853725"   "5855782"   "5858238"   "5877005"   "5885578"   "5895650"   "5911698"   "5916806"   "5919369"   "5928930"   "5948441"   "5962322"   "5980478"   "6004925"   "6017543"   "6022333"   "6037323"   "6037458"   "6039946"   "6046166"   "6080778"   "6127370"   "6136321"   "6139746"   "6156727"   "6171373"   "6193891"   "6264623"   "6309550"   "6337368"   "6440387"   "6472421"   "6605588"). PN. OR ("6706008").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/27 15:58
S61	52	("4350156").URPN.	USPAT	OR	ON	2006/09/27 16:01
S63	41	S62 and electrophore\$	USPAT	OR	ON	2006/09/27 16:04
S64	4	("5492834").URPN.	USPAT	OR	ON	2006/09/27 16:18
S62	376	("in-line" or "in line") with ((fluid or liquid or sample) near3 (detect\$4 or separat\$5 or purif\$6 or analy\$4))	USPAT	OR	ON	2006/09/27 16:18
S65	59	"capillary electrophoresis" and (("in-line" or "in line") with ((fluid or liquid or sample) near3 (detect\$4 or separat\$5 or purif\$6 or analy\$4)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 16:19
S67	2	("6864100" or "5902796").pn.	USPAT	OR	ON	2006/09/28 07:34

## EAST Search History

S69	1676	422/101.ccls.	USPAT	OR	ON	2006/09/28 07:35
S71	1670	210/314-318.ccls.	USPAT	OR	ON	2006/09/28 07:36
S70	1032	210/259.ccls.	USPAT	OR	ON	2006/09/28 07:36
S68	1703	436/177-178.ccls.	USPAT	OR	ON	2006/09/28 07:36
S72	5573	S68 S69 S70 S71	USPAT	OR	ON	2006/09/28 07:37
S73	0	S72 and (((filtration or filter) with coarse) and fine) and "capillary electrophoresis"	USPAT	OR	ON	2006/09/28 07:40
S74	3	S72 and (((filtration or filter) with coarse) and fine) and electrophoresis	USPAT	OR	ON	2006/09/28 08:00
S75	868	S72 and (lysis or "cell disruption" or precipitat\$4)	USPAT	OR	ON	2006/09/28 08:01
S78	1	Toshiharu-Motokubota.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/28 08:41
S80	0	EP220966	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/28 08:51
S79	1	Hiroshi-Morise.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/28 08:51
S81	7	"EP 220966"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/28 08:55
S82	6	"EP 159025"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/28 08:56
S83	1	"4568488".pn.	USPAT	OR	ON	2006/09/28 09:39
S84	1	"6391541".pn.	USPAT	OR	ON	2006/09/28 10:15
S85	1	"6979424".pn.	USPAT	OR	ON	2006/09/28 12:25
S86	234	HPLC and degas	USPAT	OR	ON	2006/09/28 12:26

## EAST Search History

S87	0	HPLC and ((in-line or inline) near3 degas)	USPAT	OR	ON	2006/09/28 12:27
S88	7	HPLC and (degas near3 (unit or chamber) )	USPAT	OR	ON	2006/09/28 12:31
S89	2	"capillary electrophoresis" and (degas near3 (unit or chamber) )	USPAT	OR	ON	2006/09/28 12:33
S92	273	"capillary electrophoresis" with (automa\$)	USPAT	OR	ON	2006/09/28 12:44
S91	663	"capillary electrophoresis" with (automa\$ or integrat\$)	USPAT	OR	ON	2006/09/28 12:44
S94	1	"6387234".pn.	USPAT	OR	ON	2006/09/28 12:53
S93	13	("capillary electrophoresis" with automa\$).ab.ti.	USPAT	OR	ON	2006/09/28 12:53
S90	11	"capillary electrophoresis" and (degas\$ near3 (unit or chamber) )	USPAT	OR	ON	2006/09/28 14:01
S97	10	"capillary electrophoresis" and (("fluid level" or "liquid level") near3 (sensor or detector))	USPAT	OR	ON	2006/09/28 14:03
S96	94	"capillary electrophoresis" and (("fluid level" or level or "liquid level") near3 (sensor or detector))	USPAT	OR	ON	2006/09/28 14:03
S95	398	"capillary electrophoresis" and (("fluid level" or level or "liquid level" or liquid or fluid) near3 (sensor or detector))	USPAT	OR	ON	2006/09/28 14:03
S56	1	"5935522".pn.	USPAT	OR	ON	2006/09/28 15:00
S99	1	"6391541".pn. and lysing	USPAT	OR	ON	2006/09/28 15:55
S10 1	1	"5935522".pn. and (positive or negative)	USPAT	OR	ON	2006/09/29 08:19
S10 0	0	"5935522".pn. and electrode	USPAT	OR	ON	2006/09/29 08:19
S98	1	"5935522".pn. and pressure	USPAT	OR	ON	2006/09/29 08:19
S10 2	77	("1006767"   "1456005"   "2379474"   "3219416"   "3556659"   "3616264"   "3999868"   "4038055"   "4168017"   "4286456"   "4420679"   "4468423"   "4481405"   "4599169"   "4675300"   "4683195"   "4683202"   "4684465"   "4701415"   "4708782"   "4729947"   "4826319"   "4865986"   "4868103"   "4889818"   "4902624"   "4908112"   "4965188"   "4981801"   "5038852"   "5114551"   "5116471"   "5131998"   "5137695"   "5141621"   "5169521"   "5173163"   "5174962"   "5187084"   "5234586"   "5235586"   "5240577"   "5268486"   "5316913"   "5333675"   "5346672"   "5348853"   "5364790"   "5380489"   "5415839"   "5425921"   "5436134"   "5449621"   "5455175"   "5563037"   "5565322"   "5599504"   "5639423"   "5858242").PN. OR ("5935522").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/29 16:26

## EAST Search History

S10 3	7	"6391541" and (pump\$ or filter or (pump with filter))	USPAT	OR	ON	2006/09/29 16:27
S5	0	Barringer-George-E.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 07:25
S10 4	1	"6537799".pn. and ("pH")	USPAT	OR	ON	2006/09/30 07:26